

II. CLAIM AMENDMENTS

Sub C. 1. (Currently Amended) A method for controlling the operation of a mobile station (MS) in a packet switched communication network based on a cellular network, which communication network is arranged to transfer information using downlink or uplink data transmission between a base station (BTS) and at least one mobile station (MS) by means of a radio channel, comprising the steps of:

using a transmission power on a set level on the radio channel to transfer information;

B. 2. transmitting information that is divided into successive blocks of the downlink data transmission from the base station (BTS) to the mobile station (MS) on the radio channel;

and wherein one of said blocks comprises information (PR) on the transmission power level of ~~any block of the downlink data transmission~~ said one block of the downlink data transmission or another block of the downlink data transmission to be transmitted subsequently.

2. (Original) The method according to claim 1, wherein said one block comprises information (PR) on the transmission power level of another block to be transmitted next.

3. (Original) The method according to claim 1, wherein said one block comprises information (PR) on the transmission power level of said one block.

4. (Original) The method according to claim 1, wherein an RLC block according to the GPRS system is used as said one block, and information (PR) on the transmission power level is transmitted by means of an MAC header in the RLC block.

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5. (Original) The method according to claim 4, wherein the transmission power level (PR) is indicated by means of bits contained in an octet of said MAC header, and at least some of the bits being arranged for an TFI field (TFI) in a way known as such.

6. (Original) The method according to claim 1, wherein the transmission power level is indicated as a difference (PR) with respect to a known reference level.

7. (Original) The method according to claim 6, wherein said known reference level used is a BCCH channel according to the GPRS system.

8. (Currently Amended) A communication system for implementing packet switched data transmission based on a cellular network, which communication system is arranged to transmit information using downlink or uplink data transmission between a base station (BTS) and at least one mobile station (MS) by means of a radio channel, comprising:

means for arranging data transmission on the radio channel to take place with a transmission power on a set level, and

means for arranging the radio channel to transmit information that is divided into successive blocks of the downlink data transmission, from the base station (BTS) to the mobile station (MS), and

means for also arranging the communication system to transmit one of said blocks containing information (PR) on the transmission power level of ~~any block of the downlink data transmission~~ said one block or another block to be transmitted subsequently, via a radio channel.

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cont.

9. (Currently Amended) A wireless communication device, arranged to function in a communication system, which communication system is arranged to implement packet switched data transmission based on a cellular network, and which communication system is arranged to transmit information using downlink or uplink data transmission between a base station (BTS) and said wireless communication device (MS) by means of a radio channel, comprising:

means for arranging data transmission on the radio channel to take place with a transmission power on a set level, and

means for arranging the radio channel to transmit information that is divided into successive blocks of the downlink data transmission, from the base station (BTS) to the wireless communication device (MS), and

means in the wireless communication device (MS) arranged to receive one of said blocks transmitted by the base station (BTS) on the radio channel, which one block contains information (PR) on the transmission power level of any block of the downlink data transmission said one block or another block to be transmitted subsequently.

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10. (Original) A method for controlling the function of a mobile station (MS) in a packet switched communication network based on a cellular network, which communication network is arranged to transfer information using downlink or uplink data transmission between a base station (BTS) and at least one mobile station (MS) by means of a radio channel, comprising the steps of:

using a transmission power of a set level on the radio channel to transfer information,

transmitting information that is divided into successive blocks of the downlink data transmission from the base station to the mobile station via a radio channel, and

transmitting a block of the downlink data transmission that is transmitted repeatedly and at fixed intervals, with a fixed transmission power known by said mobile station, in order to establish a reference level.

11. (Original) A communication system for implementing packet switched data transmission based on a cellular network, which communication system is arranged to transmit information using downlink or uplink data transmission between a base station (BTS)

and at least one mobile station (MS) by means of a radio channel, comprising the steps of:

means for arranging the information transmission on the radio channel to occur with a transmission power on a set level,

means for arranging said radio channel to transmit information that is divided into successive blocks of the downlink data transmission, from the base station (BTS) to the mobile station (MS), and

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only. means for also arranging the communication system to transmit, at a fixed transmission power known by said mobile station, a block of the downlink data transmission that is transmitted repeatedly and at fixed intervals, to establish a reference level and control the mobile station (MS).

12. (Original) A wireless communication device, arranged to function in a communication system arranged for implementing packet switched data transmission based on a cellular network, and which communication system is arranged to transmit information using downlink or uplink data transmission between a base station (BTS) and said wireless communication device (MS) by means of a radio channel, wherein data transmission on the radio channel is arranged to take place with a transmission power on a set level, and which radio channel is arranged to transmit information that is divided into successive blocks of the downlink data transmission, from the base station (BTS) to the wireless communication device (MS), and wherein the wireless communication device (MS) is also arranged to receive a block of the downlink data transmission that is transmitted repeatedly and at fixed intervals from the base station

(BTS) with a fixed transmission power known by said mobile station, to establish a reference level for the wireless communication device (MS) and to control its function.

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C/ 13. (New) The method of claim 1 further comprising the mobile station using the transmission power level information to determine if a change in a received signal is caused by the base station or an environmental change.

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C/ 14. (New) The method of claim 1 further comprising using the transmission power level information to adjust at least one parameter in the mobile station.

15. (New) The method of claim 14 wherein the parameter is timing, frequency or amplification.

16. (New) The method of claim 1 further comprising the mobile station using the transmission power level information to adjust a reception level in the mobile station to a correct range.